

Land Warrior (LW)



MISSION

Provide significant improvement in soldier lethality, survivability, battle command, mobility, sustainment, and training/mission rehearsal.

DESCRIPTION AND SPECIFICATIONS

The Land Warrior (LW) is a first-generation, modular, integrated fighting system for dismounted combat soldiers that incorporates an assortment of systems, components, and technologies into a lethal, survivable soldier system. LW systems/components include: a modular weapon system with thermal weapon sight (TWS), laser rangefinder, digital compass, daylight video sight, and close combat optic; an integrated headgear with helmet mounted display, TWS sight picture, and image intensifier; enhancements to protective clothing and individual equipment; and an integrated individual soldier computer/radio. LW science and technology advanced components include integrated sight, combat ID, enhanced radio, and voice recognition. The system's approach will optimize and integrate these capabilities, without adding to the soldier's combat load.

The integrated squad and soldier radios and the Global Positioning System (GPS) within the computer/radio subsystem (CRS) provide digital command and control and situational awareness capability previously unavailable to the combat soldier. The GPS provides the soldier's location to the computer, integrates the soldier's position with location reports from other soldiers, and displays the information on a digital map on his helmet-mounted display. The radios of the CRS, controlled by the computer, provide both digital and voice capabilities to the dismounted soldier. The soldier radio is provided to all Land Warriors; the leader radio is provided to team leaders and above. The leader radio is Single Channel Ground and Airborne Radio System (SINCGARS)-compatible while the soldier radio is not. LW is designed to be fully compatible on the digitized battlefield.

FOREIGN COUNTERPART

No known foreign counterpart

FOREIGN MILITARY SALES

None

PROGRAM STATUS

4QFY95 Awarded engineering and manufacturing development (EMD) contract.

1QFY97 Conducted early operational experiment at Ft. Benning, GA.

2QFY97 Held preliminary design review.

4QFY97 Conducted critical design review.

Current Commenced EMD.

PROJECTED ACTIVITIES

FY00 Fabricate 65 systems to support the Joint Contingency Force (JCF) Advanced Warfighting Experiment (AWE) and developmental testing.

Conduct fightability spiral analysis and begin developmental testing.

FY02 Conduct platoon-limited user test.

FY04 Low-rate initial production decision and initiation of operational testing.

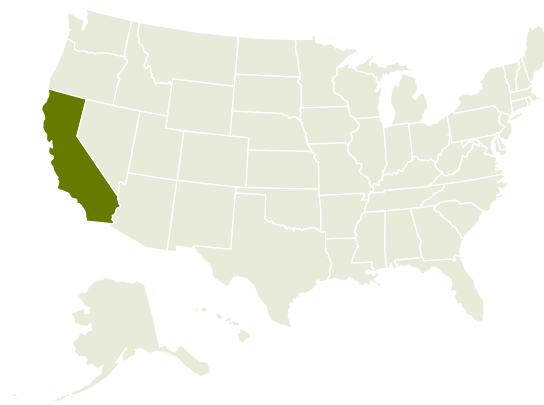
FY06 Full production decision for 34,000 systems.

FY07 First unit equipped.

FY10 Achieve initial operational capability.

PRIME CONTRACTORS

Raytheon (El Segundo, CA); Exponent (Menlo Park, CA)



* See appendix for list of subcontractors

